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IN THE CLAIMSRECEIVED
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Please amend the claims as follows:

1. (previously presented) A feedthrough assembly for an electrochemical cell, comprising:

a cover having a top surface and a bottom surface and a hole through the cover;

an insulator having a top surface and a bottom surface and a hole through the insulator; and

a pin; having a pin shaft and a pinhead with a larger diameter than the pin shaft;

wherein

a first portion of the insulator bottom surface is brazed to the top surface the case cover;

a second portion of the insulator bottom surface is brazed to a top surface of the pinhead.

2. (previously presented) The feedthrough assembly of claim 1, wherein a portion of the pin extends into the hole through the insulator.

3. (previously presented) The feedthrough assembly of claim 1, wherein a portion of the pin extends above the hole through the insulator.

4. (previously presented) A sealed battery, comprising:

a battery case;

a positive electrode within the case;

a negative electrode within the case;

an electrolyte within the case; and

a feedthrough of claim 1 sealing the case, wherein the pin is electrically coupled to one of the electrodes.

5. (previously presented) The battery of claim 4, wherein the positive and negative electrodes are wound around the pin.

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6.-14. (canceled)

15. (currently amended) A feedthrough assembly for an electrochemical cell, comprising:

a cover having a hole surface that defines a hole through the cover;

an insulator having a top surface and a bottom surface and a hole through the insulator, and an outer surface in the hole through the cover; and

a pin comprising a pinhead and a pin shaft, the pin shaft extending through the insulator hole and through the cover hole, the pinhead having a larger diameter than the pin shaft; wherein

the insulator outer surface is brazed to the hole surface and

the insulator has a thickness that is about the same as a thickness of the cover in the region of the hole through the cover.

16. (canceled)

17. (previously presented) The feedthrough assembly of claim 15, wherein the top surface of the insulator is brazed to an underside of the pinhead.

18. (previously presented) The feedthrough assembly of claim 17, wherein the insulator is brazed to a portion of the pin shaft.

19. (previously presented) The feedthrough assembly of claim 15, wherein the pinhead and the pin shaft are formed of one piece of metal.

20. (previously presented) The feedthrough assembly of claim 15, wherein the pinhead and the pin shaft are formed of more than one piece of metal.

21. (previously presented) The feedthrough assembly of claim 15, wherein the pin shaft has a diameter of about 0.1 mm to about 3 mm.

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22. (previously presented) The feedthrough assembly of claim 15, wherein the insulator includes a nonglass ceramic.

23. (previously presented) A sealed battery comprising:

- a battery case;
- a positive electrode within the case;
- a negative electrode within the case;
- an electrolyte within the case; and

a feedthrough of claim 15 sealing the case, wherein the pin is electrically coupled to one of the electrodes.

24. (previously presented) The battery of claim 23, wherein the positive and negative electrodes are wound around the pin.

25.-34 (canceled)

35. (new) A feedthrough assembly for an electrochemical cell, comprising:

- a cover having a hole surface that defines a hole through the cover;
- an insulator having a top surface and a bottom surface and a hole through the insulator, and an outer surface in the hole through the cover; and
- a pin comprising a pinhead and a pin shaft, the pin shaft extending through the insulator hole and through the cover hole, the pinhead having a larger diameter than the pin shaft; wherein

- the insulator outer surface is brazed to the hole surface; and
- the insulator is brazed to a portion of the pin shaft.

36. (new) The feedthrough assembly of claim 35, wherein the top surface of the insulator is brazed to an underside of the pinhead.

37. (new) The feedthrough assembly of claim 35, wherein the pinhead and the pin shaft are formed of one piece of metal.

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38. (new) The feedthrough assembly of claim 35, wherein the pinhead and the pin shaft are formed of more than one piece of metal.

39. (new) The feedthrough assembly of claim 35, wherein the pin shaft has a diameter of about 0.1 mm to about 3 mm.

40. (new) The feedthrough assembly of claim 35, wherein the insulator includes a nonglass ceramic.

41. (new) A sealed battery comprising:

a battery case;

a positive electrode within the case;

a negative electrode within the case;

an electrolyte within the case; and

a feedthrough of claim 35 sealing the case, wherein the pin is electrically coupled to one of the electrodes.

42. (new) The battery of claim 41, wherein the positive and negative electrodes are wound around the pin.